


B2



	Consommation et Corporations Canada	Consentir and Corporation Affairs Canada (21)	(A1)	2,029,880	5,012,9/75
	Bureau des brevets	Patent Office	(22)	1990/11/14	
	Ottawa, Canada K1A 0X0		(43)	1991/08/01	
			(52)	96-193	

(51) INTL.CL.<sup>s</sup> C03C-001/46

(19) (CA) APPLICATION FOR CANADIAN PATENT (12)

(54) Two-Side Imageable Photothermographic Paper

(72) McCartney, Gregory J. - U.S.A. ;

(73) Minnesota Mining and Manufacturing Company - U.S.A. ;

(30) (US) 07/472,777 1990/01/31

(57) 14 Claims

Notice: The specification contained herein as filed

Canada

02029980cov.afp



~~2~~

2029980

ABSTRACT OF THE DISCLOSURE

Two-side coated paper dry silver photothermo-  
5 graphic imaging elements suffer from bubbling on the second  
coated side. The use of polyvinylacetate as part of the  
binding media for the second coated emulsion has been found  
to reduce the problem.

10

15

20

25

30

35



2029980

-17-

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

- 5           1. A two-side imageable photothermographic element comprising:
  - a) a paper substrate, and
  - b) on each side of said paper substrate at least one layer of a photothermographic imaging system which
 10           comprises binder, light-sensitive silver halide, a light-insensitive silver source material, and a reducing agent for silver ion,
 at least one of said at least one layer of said photothermographic imaging system having an imaging layer
 15           the total solids of which comprises more than 2% by weight of polyvinyl acetate.
- 20           2. The element of claim 1 wherein said polyvinyl acetate is present as a polymer having at least 50% by weight of its units derived from vinyl acetate.
3. The element of claim 1 wherein said polyvinyl acetate is present as a homopolymer of polyvinyl acetate.
- 25           4. The element of claim 1 wherein said imaging layer comprises at least 2.5% by weight of polyvinyl acetate.
5. The element of claim 1 wherein said imaging layer comprises at least 3% by weight of polyvinyl acetate.
 30           6. The element of claim 1 wherein said imaging layer comprises at least 5% but less than 50% by weight of polyvinyl acetate.
- 35           7. The element of claim 2 wherein said imaging layer comprises at least 2.5% by weight of polyvinyl acetate.